

10/805,841  
(W) Interference Search  
WEST Search History

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DATE: Thursday, July 21, 2005

Interference Search

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
<input type="checkbox"/>	L91	190 and ((Dixon) with (spiral\$2 or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	2
<input type="checkbox"/>	L90	((324/300-322.ccls.) or (600/407-435.ccls.))	15147
<input type="checkbox"/>	L89	L88 and ((Dixon) with (spiral\$2 or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	4
<input type="checkbox"/>	L88	L85 and ((Dixon) with (spiral\$2 or non-linear or nonlinear or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	17
<input type="checkbox"/>	L87	L86 and ((Dixon) with (spiral\$2 or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	4
<input type="checkbox"/>	L86	L84 and ((Dixon) with (spiral\$2 or non-linear or nonlinear or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	17
<input type="checkbox"/>	L85	L84 and (spiral\$2 or non-linear or nonlinear or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile))))	617
<input type="checkbox"/>	L84	L1 and (Dixon)	1998
<input type="checkbox"/>	L83	L80 and L69	44
<input type="checkbox"/>	L82	L80 and L70	16
<input type="checkbox"/>	L81	L80 and L73	16
<input type="checkbox"/>	L80	(L79 or L78 or L77)	17262
<input type="checkbox"/>	L79	((382/128  382/129  382/130  382/131).ccls.)	2404
<input type="checkbox"/>	L78	((600/407  600/408  600/409  600/410  600/411  600/412  600/413  600/414  600/415  600/416  600/417  600/418  600/419  600/420  600/421  600/422  600/423  600/424  600/425  600/426  600/427  600/428  600/429  600/430  600/431  600/432  600/433  600/434  600/435).ccls.)	7866
<input type="checkbox"/>	L77	((324/300  324/301  324/302  324/303  324/304  324/305  324/306  324/307  324/308  324/309  324/310  324/311  324/312  324/313  324/314  324/315  324/316  324/317  324/318  324/319  324/320  324/321  324/322).ccls.)	8403
<input type="checkbox"/>	L76	L70 and (Dixon)	2
<input type="checkbox"/>	L75	L69 and (Dixon)	6
<input type="checkbox"/>	L74	L73 and (Dixon)	1
<input type="checkbox"/>	L73	L72 and (pixel or voxel or element or volume or picture)	57
<input type="checkbox"/>	L72	L71 and (imag\$4 or representation or display\$3)	57

<input type="checkbox"/>	L71	L70 and (frequency or RF or Larmor or Larmour or (radio adj frequency) or radiofrequency or radio-frequency)	58
<input type="checkbox"/>	L70	L69 and ((estimat\$4 or guess\$4) with (map\$4 or plot\$4 or field or error or shift\$4))	69
<input type="checkbox"/>	L69	L68 and (error or difference or change or variation or shift or amount or estimat\$4 or guess\$4)	234
<input type="checkbox"/>	L68	L67 and (ghost\$3 or blur\$4 or alias\$3 or perturbat\$4 or distort\$4)	234
<input type="checkbox"/>	L67	L66 and (spiral\$2 or non-linear or nonlinear or archimed\$4 or (off with center\$3) or helix or helical\$2 or ((curv\$3 or rotat\$4) with (trajectory or path or profile)))	318
<input type="checkbox"/>	L66	L65 and (chemical\$3 or species or hydrogen or water or proton or fat\$2 or lipid\$4 or substance or substance or specimen or tissue or Dixon or suppress\$4)	551
<input type="checkbox"/>	L65	L64 and ((first or second or third or multiple or plurality or "more than one" or dual or triple or "delta") with (((echo or wait\$4 or repeat or repetition) with time) or "te" or "tr" or "WT"))	560
<input type="checkbox"/>	L64	L63 and (map\$4 or plot\$4)	1646
<input type="checkbox"/>	L63	L62 and (estimat\$4 or guess\$3)	2183
<input type="checkbox"/>	L62	L61 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	5608
<input type="checkbox"/>	L61	L1 and (inhomogeneity or inhomogenous or nonuniformit\$4 or non-uniformit\$4 or "non uniformit\$4" or spurious or non-resonant or (chemical with shift\$4) or ((off with resonan\$3) or off-resonan\$3) or susceptibil\$5 or distort\$4 or artifact or artefact)	40228
<input type="checkbox"/>	L60	L59 and ((estimat\$4 or guess\$4) with (map\$4 or plot\$4 or field or error or shift\$4))	14
<input type="checkbox"/>	L59	L58 and (error or difference or change or variation or shift or amount or estimat\$4 or guess\$4)	62
<input type="checkbox"/>	L58	L57 and ((first or second or third or multiple or plurality or "more than one") with (((echo or wait\$4 or repeat or repetition) with time) or "te" or "tr" or "WT"))	62
<input type="checkbox"/>	L57	L56 and L1	236
<input type="checkbox"/>	L56	fetzner	261
<input type="checkbox"/>	L55	L54 and (heid.in.)	12
<input type="checkbox"/>	L54	vargas	2031
<input type="checkbox"/>	L53	L25 and (heid.in.)	2
<input type="checkbox"/>	L52	L27 and (heid.in.)	0
<input type="checkbox"/>	L51	L30 and (heid.in.)	0
<input type="checkbox"/>	L50	L49 and L47	19
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<input type="checkbox"/>	L48	L47 and (inhomogeneity or inhomogenous or nonuniformit\$4 or non-uniformit\$4 or "non uniformit\$4")	27
<input type="checkbox"/>	L47	L46 and ((estimat\$4 or guess\$4) with (map\$4 or plot\$4 or field or error or shift\$4))	158

<input type="checkbox"/>	L46	L45 and (correct\$4 or compensat\$4 or fix\$3)	380
<input type="checkbox"/>	L45	L44 and (imag\$4)	394
<input type="checkbox"/>	L44	L43 and (ghost\$3 or blur\$4 or alias\$3 or perturbat\$4 or artifact or artefact)	425
<input type="checkbox"/>	L43	L42 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	1198
<input type="checkbox"/>	L42	L41 and (frequency or RF or Larmor or Larmour)	5497
<input type="checkbox"/>	L41	L40 and (error or difference or change or variation or shift or amount or estimat\$4 or guess\$4)	14378
<input type="checkbox"/>	L40	L39 and (species or hydrogen or water or proton or fat\$2 or lipid\$4 or substance or substance or specimen or tissue)	14477
<input type="checkbox"/>	L39	L38 and (spurious or non-resonant or chemical or shift\$4 or j-coupl\$4 or jcoupl\$4 or ((off with resonan\$3) or off-resonan\$3))	15037
<input type="checkbox"/>	L38	L37 and ((first or second or third or multiple or plurality or "more than one") with (((echo or wait\$4 or repeat or repetition) with time) or "te" or "tr" or "WT"))	18477
<input type="checkbox"/>	L37	L36 and (first or second or third or multiple or plurality or "more than one")	122902
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<input type="checkbox"/>	L35	(5192909  5604435  5892358)! [pn]	6
<input type="checkbox"/>	L34	L33 and L1	1
<input type="checkbox"/>	L33	(center\$4 with spiral).ti.	322
<input type="checkbox"/>	L32	L31 and ((estimat\$4) with (map\$4 or plot\$4 or field))	5
<input type="checkbox"/>	L31	L30 and (spiral\$2 or non-linear or nonlinear or archimed\$4 or interleav\$4)	34
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L30	L27	50
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L29	L1 and (pauley.in.)	2
<input type="checkbox"/>	L28	L27 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	14
<input type="checkbox"/>	L27	L1 and (pauly.in.)	91
<input type="checkbox"/>	L26	L16 and (pauly.in.)	10
<input type="checkbox"/>	L25	L16 and ((spiral\$2 or non-linear or nonlinear or archimed\$4) with (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw))	44
<input type="checkbox"/>	L24	L20 and ((spiral\$2 or non-linear or nonlinear or archimed\$4) with (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw))	3
<input type="checkbox"/>	L23	L22 and ((estimat\$4) with (map\$4 or plot\$4 or field))	34
<input type="checkbox"/>	L22	L21 and (estimat\$4)	127
<input type="checkbox"/>	L21	L20 and (chemical\$3 or species or hydrogen or water or proton or fat\$2 or lipid\$4 or substance or substance or specimen or tissue)	169
<input type="checkbox"/>	L20	L19 and (spurious or non-resonant or (chemical with shift\$4) or ((off with resonan\$3) or off-resonan\$3))	179
<input type="checkbox"/>	L19	L18 and (frequency or RF or Larmor or Larmour)	905
<input type="checkbox"/>	L18	L17 and (((echo or wait\$3) with time) or ("TE" or "WT" or "ET"))	1178

<input type="checkbox"/>	L17	L16 and (map\$4 or plot\$4)	1215
<input type="checkbox"/>	L16	L15 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	2015
<input type="checkbox"/>	L15	L1 and (spiral\$2 or non-linear or nonlinear or archimed\$4)	13583
<input type="checkbox"/>	L14	L13 and (ghost\$3 or blur\$4 or alias\$3 or perturbat\$4 or artifact or artefact)	17
<input type="checkbox"/>	L13	L11 and (map\$4 or plot\$4)	24
<input type="checkbox"/>	L12	L11 and (map\$4 or plat\$4)	18
<input type="checkbox"/>	L11	L10 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	31
<input type="checkbox"/>	L10	L2 and (spiral or archimed\$4)	115
<input type="checkbox"/>	L9	L8 and (estimat\$4)	8
<input type="checkbox"/>	L8	L7 and (((echo or wait) with time) or ("TE" or "WT" or "ET"))	15
<input type="checkbox"/>	L7	L6 and (kspace and k-space and "k space" or "ky" or "ky" or "kz" or raw)	15
<input type="checkbox"/>	L6	L5 and (inhomogeneity or inhomogenous or nonuniformit\$4 or non-uniformit\$4 or "non uniformit\$4")	39
<input type="checkbox"/>	L5	L4 and (chemical\$3 or species or hydrogen or water or proton or fat\$2 or lipid\$4)	64
<input type="checkbox"/>	L4	L3 and (map\$4)	75
<input type="checkbox"/>	L3	L2 and (ghost\$3 or blur\$4 or alias\$3 or perturbat\$4)	208
<input type="checkbox"/>	L2	L1 and ((off with resonan\$3) or off-resonan\$3)	1140
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	207531

END OF SEARCH HISTORY

## Hit List

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Generate OACS				

### Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20050033153 A1

L89: Entry 1 of 4

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033153 A1

TITLE: Dixon Techniques in spiral trajectories with off-resonance correction

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moriguchi, Hisamoto	Cleveland	OH	US	
Lewin, Jonathan S.	Baltimore	MD	US	
Duerk, Jeffrey L.	Avon Lake	OH	US	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw D
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☐ 2. Document ID: US 20050017717 A1

L89: Entry 2 of 4

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017717

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050017717 A1

TITLE: Chemical species suppression for MRI imaging using spiral trajectories with off-resonance correction

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Duerk, Jeffrey L.	Avon Lake	OH	US	
Lewin, Jonathan S.	Baltimore	MD	US	
Moriguchi, Hisamoto	Cleveland	OH	US	

US-CL-CURRENT: 324/307; 324/306, 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw D
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☐ 3. Document ID: US 20050033153 A1, WO 2004097387 A2

L89: Entry 3 of 4

File: DWPI

Feb 10, 2005

DERWENT-ACC-NO: 2004-804834

DERWENT-WEEK: 200512

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TITLE: Image construction method using magnetic resonance imaging data, involves processing MRI image data and deblurring water/fat images as function of off-resonance frequency of signals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw D
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☐ 4. Document ID: US 20050017717 A1, WO 2004086060 A2

L89: Entry 4 of 4

File: DWPI

Jan 27, 2005

DERWENT-ACC-NO: 2004-728789

DERWENT-WEEK: 200509

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TITLE: Magnetic resonance imaging optimizing method involves determining chemical species e.g. water and fat at image location of scanned object, based on estimated off-resonance effects e.g. field inhomogeneity in images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
DIXON	31835
DIXONS	39
OFF	3437330
OFFS	27195
HELIX	88377
HELICES	19004
HELIXES	3511
TRAJECTORY	56698
TRAJECTORIES	17087
TRAJECTORYS	5
(L88 AND ((DIXON) WITH (SPIRAL\$2 OR ARCHIMED\$4 OR	

(OFF WITH CENTER\$3) OR HELIX OR HELICAL\$2 OR ((CURV\$3 OR ROTAT\$4) WITH (TRAJECTORY OR PATH OR PROFILE))))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4
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### Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20050033153 A1

L91: Entry 1 of 2

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033153 A1

TITLE: Dixon Techniques in spiral trajectories with off-resonance correction

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moriguchi, Hisamoto	Cleveland	OH	US	
Lewin, Jonathan S.	Baltimore	MD	US	
Duerk, Jeffrey L.	Avon Lake	OH	US	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw D
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☐ 2. Document ID: US 20050017717 A1

L91: Entry 2 of 2

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017717

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050017717 A1

TITLE: Chemical species suppression for MRI imaging using spiral trajectories with off-resonance correction

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Duerk, Jeffrey L.	Avon Lake	OH	US	
Lewin, Jonathan S.	Baltimore	MD	US	
Moriguchi, Hisamoto	Cleveland	OH	US	

US-CL-CURRENT: 324/307; 324/306, 324/309



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
DIXON	31835
DIXONS	39
OFF	3437330
OFFS	27195
HELIX	88377
HELICES	19004
HELIXES	3511
TRAJECTORY	56698
TRAJECTORIES	17087
TRAJECTORYS	5
PATH	1975758
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